

## SEQUENCE LISTING

<110> Nadkarni, Anupama K.  
Trueheart, Joshua

<120> Expression of G Protein-Coupled Receptors with Altered  
Ligand Binding and/or Coupling Properties

<130> CPI-099

<140> 09/362,286

<141> 1999-07-27

<160> 47

<170> PatentIn Ver. 2.0

<210> 1

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: receptor  
sequence motif

<400> 1

Leu Ala Tyr Ser Asn Ser Ser Val Asn Pro Ile Ile Tyr Ala Phe Leu  
1 5 10 15

Ser Glu Asn Phe Arg Lys Arg Tyr Lys Gln Val  
20 25

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: amino acid  
sequence motif

<400> 2

Phe Arg Lys Arg  
1

<210> 3

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: IL-8 receptor  
motif

<400> 3

Leu Gly Phe Leu His Ser Cys Leu Asn Pro Ile Ile Tyr Ala Phe Ile  
1 5 10 15

Gly Gln Asn Phe Arg Asn Gly Phe Leu Lys Met  
 20 25

<210> 4  
 <211> 4  
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<220>  
 <223> Description of Artificial Sequence: amino acid  
 sequence motif

<400> 4  
 Phe Arg Asn Gly  
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<210> 5  
 <211> 27  
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<220>  
 <223> Description of Artificial Sequence: galanin  
 receptor motif

<400> 5  
 Leu Ala Tyr Ser Asn Ser Ser Val Asn Pro Ile Ile Tyr Ala Phe Leu  
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Ser Glu Asn Phe Arg Lys Ala Tyr Lys Gln Val  
 20 25

<210> 6  
 <211> 10  
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<220>  
 <223> Description of Artificial Sequence: amino terminal  
 domain conserved sequence motif

<400> 6  
 Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly  
 1 5 10

<210> 7  
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<220>  
 <223> Description of Artificial Sequence: amino terminal  
 domain conserved sequence motif

<400> 7  
 Leu Leu Leu Leu Gly Ala Gly Glu  
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<210> 8  
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<223> Description of Artificial Sequence: G1 region  
conserved sequence motif

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Gly Ser Gly Glu Ser Gly Asp Ser Thr  
1 5

<210> 9  
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sequence motif

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Gln Ala Arg Lys Leu Gly Ile Gln  
1 5

<210> 10  
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<223> Description of Artificial Sequence: G alpha  
conserved sequence motif

<400> 10  
Asp Val Gly Gly Gln  
1 5

<210> 11  
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oligonucleotide primer

<400> 11  
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29

<210> 12  
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<220>  
 <223> Description of Artificial Sequence: oligonucleotide primer  
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 ccctctagag atttgaaggc acgttgg  
 <210> 13  
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 <223> Description of Artificial Sequence: IL-8 fusion junction  
 <400> 13  
 Leu Lys Arg Ser Ala Lys Glu Leu Arg Cys Gln Cys Ile  
 1 5 10  
 <210> 14  
 <211> 15  
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 1 5 10 15  
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 Leu Lys Arg Ala Glu Leu Arg Cys Met Cys Ile  
 1 5 10  
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 ttaagcgtga ggcagaagct tctgctaagg aattgagatg tcaatgtatt aagactt 57

<210> 17  
<211> 59  
<212> DNA  
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<223> Description of Artificial Sequence:  
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<400> 17  
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<210> 18  
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oligonucleotide

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<210> 19  
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<212> DNA  
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<220>  
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oligonucleotide

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<210> 20  
<211> 59  
<212> DNA  
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oligonucleotide

<400> 20  
tagagtaagt cttaatacat tgacatctca attccttagc agaagcttct gcctcacgc 59

<210> 21  
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oligonucleotide

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<210> 22  
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 <212> DNA  
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         oligonucleotide  
  
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 c 61  
  
 <210> 24  
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 <212> DNA  
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         oligonucleotide primer  
  
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 <223> Description of Artificial Sequence:  
         oligonucleotide primer  
  
 <400> 25  
 aagtatattg tatattgtac gaggc 24  
  
 <210> 26  
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<210> 27  
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 aaagaacatc caatctttgg aagttatcgg taagggtact cactgtaacc aagtt 55  
  
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         oligonucleotide  
  
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 gaagttatcg ctaccttgaa ggacggtaga aagatttggt tggacccaga cgctc 55  
  
 <210> 37  
 <211> 55



<212> DNA  
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<220>  
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 oligonucleotide

<400> 37  
 caagaatcaa gaagatcggt caaaagaagt tggctgggtga cgaatctgct gacta 55

<210> 38  
 <211> 55  
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<220>  
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 oligonucleotide

<400> 38  
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<210> 39  
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<220>  
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 oligonucleotide

<400> 39  
 cttggagcgt ctgggtccaa acaaattctt ctaccgtcct tcaaggtagc gataa 55

<210> 40  
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<220>  
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 oligonucleotide

<400> 40  
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<210> 41  
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 <212> DNA  
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<220>  
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 oligonucleotide

<400> 41  
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<210> 42  
 <211> 37  
 <212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
oligonucleotide primer

<400> 42

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37

<210> 43

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide primer

<400> 43

cgcggatccc acatgagtag aattggt

27

<210> 44

<211> 38

<212> DNA

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<223> Description of Artificial Sequence:  
oligonucleotide primer

<400> 44

ctgaaaattt caggaagaga tataaacaag tggtcaag

38

<210> 45

<211> 38

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:  
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<400> 45

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38

<210> 46

<211> 32

<212> DNA

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oligonucleotide primer

<400> 46

cccaagcttg ccaccatgga agtaaacgta tg

32

<210> 47

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:  
oligonucleotide primer

100

<400> 47

cccctcgagc tagagatttg aaggcacgtt

30